

B-200 (UC-12B) - LARC 03/05/21

Aircraft: [B-200 \(UC-12B\) - LARC](#) ([See full schedule](#))

Flight Number: Activate Flight 41(Researcher #50)

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 3.3 hours

Submitted by: Luke Delaney on 03/05/21

Flight Segments:

From:	klfi	To:	klfi
Start:	03/05/21 13:40 Z	Finish:	03/05/21 16:57 Z
Flight Time:	3.3 hours		
Log Number:	21B005	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
Purpose of Flight:	Science		
Miles Flown:	650 miles		
Comments:	<p>Science flight for the UC-12 in support of ACTIVATE Campaign #3, conducted cooperatively with the HU-25. Departed Rwy26 and climbed to 25000 ft MSL heading north to SIE for the northern oceanic corridor. The weather was clear with a scattered/broken layer at approximately 5000 ft overwater (~50nmi offshore) transitioning to clear overland. Predominant wind from the northwest at 100 knots. Data was collected initially at 25000 ft MSL for the overland portion, and then a climb was conducted for collection at 28000 ft MSL for the remainder of flight. The laser was secured for about 15 seconds ~40nmi south of SIE for an aircraft under-flight. Several dropsondes were deployed on the route between SIE-AGUNE-37N71W-ZIBUT-ATLIC. Remained with 20 nmi of the HU-25 geolocation throughout the data collection effort. Takeoff was delayed by about 10 min due troubleshooting requiring instrument resets. Some minor instrument degraders were encountered and resolved during initial portion of flight (~45 min).</p>		

Flight Hour Summary:

	21B005
Flight Hours Approved in SOFRS	200
Total Used	47.2
Total Remaining	152.8

21B005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
01/20/21	Activate Flight 33	Science	3	3	197	600
01/29/21	Activate Flight 34	Science	3	6	194	700
02/03/21	Activate Flight 35	Science	3.3	9.3	190.7	700
02/10/21	Activate Flight 36	Science	3.7	13	187	670
02/20/21	Activate Flight 37 (Researcher #46)	Science	3.3	16.3	183.7	600
02/21/21	Activate Flight 38 (Researcher #47)	Science	4	20.3	179.7	650
03/04/21	Activate Flight 39 (Researcher #48)	Science	3.1	23.4	176.6	620
03/05/21	Activate Flight 40 (Researcher #49)	Science	3.5	26.9	173.1	706
03/05/21	Activate Flight 41 (Researcher #50)	Science	3.3	30.2	169.8	650
03/08/21	Activate Flight 42 (Researcher #51)	Science	3.3	33.5	166.5	680
03/09/21	Activate Flight 42 (Researcher #51)	Science	3.4	36.9	163.1	708

03/12/21	Activate Flight 42(Researcher #51)	Science	3.4	40.3	159.7	700
03/12/21	Activate Flight 42(Researcher #51)	Science	3.5	43.8	156.2	700
03/20/21	Activate Flight 43 (Researcher #52)	Science	3.4	47.2	152.8	705

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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